```
==============================================================
Sequence Listing could not be accepted due to errors.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2008; month=11; day=17; hr=11; min=39; sec=22; ms=273;
]
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Reviewer Comments:
<210>   30
<211>   12
<212>   PRT

<220>
<221>   PEPTIDE
<222>   10

<223>   peptide specific to Langerhans dendritic cells;
        Xaa = unknown at position 10

Please insert the mandatory <213> and its response.
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Application No: 10552153   Version No: 2.0

Input Set:

Output Set:

Started: 2008-11-17 11:09:53.865
Finished: 2008-11-17 11:09:57.800
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 935 ms
Total Warnings: 39
Total Errors: 39
No. of SeqIDs Defined: 40
Actual SeqID Count: 40

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (8)

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                 Input Set:


                 Output Set:



             Started:    2008-11-17 11:09:53.865
            Finished:    2008-11-17 11:09:57.800
             Elapsed:    0 hr(s) 0 min(s) 3 sec(s) 935 ms
      Total Warnings:    39
        Total Errors:    39
  No. of SeqIDs Defined:  40
   Actual SeqID Count:    40
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Error code	Error Description
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E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
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W 213	Artificial or Unknown found in <213> in SEQ ID (15)
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W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (17)

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            Input Set:


           Output Set:



             Started:   2008-11-17 11:09:53.865
            Finished:   2008-11-17 11:09:57.800
             Elapsed:   0 hr(s) 0 min(s) 3 sec(s) 935 ms
      Total Warnings:   39
        Total Errors:   39
 No. of SeqIDs Defined:  40
   Actual SeqID Count:   40
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Error code	Error Description
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E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occured more than 20 times, will not be displayed
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (20) This error has occured more than 20 times, will not be displayed
E 249	Order Sequence Error <212> -> <220>; Expected Mandatory Tag: <213> in SEQID (30)
E 250	Structural Validation Error; Sequence listing may not be indexable

<110>   Mohamadzadeh, Mansour
        Curiel, Tyler J.
        Morris, Cindy A.

<120>   Dendritic Cell Binding Proteins and
        Uses Thereof

<130>   D6486

<140>   10/552,153
<141>   2004-04-08

<150>   PCT/US2004/10832
<151>   2003-04-08

<160>   40

<210>   1
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<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to myeloid dendritic cells

<400>   1
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                5   10

<210>   2
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
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<223>   peptide specific to myeloid dendritic cells

<400>   2
Ala Thr Phe Thr Val Gly Pro Pro Gln Leu Leu Arg
                5   10

<210>   3
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to myeloid dendritic cells

<400>   3
Phe Tyr Pro Ser Tyr His Ser Thr Pro Gln Arg Pro
                5   10

<210>   4

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<211>  12
<212>  PRT
<213>  artificial sequence


<220>
<221>  PEPTIDE
<222>  7
<223>  peptide specific to myeloid dendritic cells;
       Xaa = unknown at position 7


<400>  4
Thr Ser Ile Gly Thr His Xaa Leu Ser Ala Ala Leu
                5                   10


<210>  5
<211>  12
<212>  PRT
<213>  artificial sequence


<220>
<221>  PEPTIDE
<223>  peptide specific to myeloid dendritic cells


<400>  5
Thr Glu Thr Ser Trp Ser Met Phe Pro Leu His Leu
                5                   10


<210>  6
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<220>
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<223>  peptide specific to myeloid dendritic cells


<400>  6
Ala Pro His Leu Pro Tyr Leu Arg Gly Leu Asn Leu
                5                   10


<210>  7
<211>  12
<212>  PRT
<213>  artificial sequence


<220>
<221>  PEPTIDE
<223>  peptide specific to myeloid dendritic cells


<400>  7
His His Asn Ser Asn His Arg Ser Phe His Tyr Leu
                5                   10


<210>  8
<211>  12
<212>  PRT
<213>  artificial sequence
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<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 8
Ser Tyr Ala Asn Leu Ile Arg Ser Ile Gln Pro Gly
                5   10

<210> 9
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 9
Thr Leu Val His Gln Trp Gln Pro Trp Pro Lys Ala
                5   10

<210> 10
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 10
Ile Arg His Thr Thr Ser Gly Pro Pro Pro Ser Ser
                5   10

<210> 11
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 11
Tyr Pro Gln Ala Leu Asn Thr Gln Pro Asp Trp Pro
                5   10

<210> 12
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<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 12
Ala Tyr Tyr Lys Thr Ala Ser Leu Ala Pro Ala Glu
                5   10

<210> 13
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<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 13
Ser Gln Asn Ser Leu Tyr Ser Ser Lys Pro Val Arg
                5   10

<210> 14
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 14
Ser Leu Ser Leu Leu Thr Met Pro Gly Asn Ala Ser
                5   10

<210> 15
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<212> PRT
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<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 15
Gln Ser Gln Thr Tyr Gln Thr His Ser Val Thr Met
                5   10

<210> 16
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 16
Glu Pro Ile His Pro Glu Thr Thr Phe Thr Asn Asn
                5   10

<210> 17

<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 17
Glu Thr Pro Met Val His Trp Pro Ser Thr Ser Pro
                5   10

<210> 18
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 18
Ser Leu Ser Leu Leu Thr Met Pro Gly Asn Ala Ser
                5   10

<210> 19
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 19
Asn Trp Trp Ser Asp Trp Val Met Leu Thr Gln Ser
                5   10

<210> 20
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to myeloid dendritic cells

<400> 20
Gln Trp Pro Gln Tyr His Tyr Leu Arg Pro Thr Leu
                5   10

<210> 21
<211> 12
<212> PRT
<213> artificial sequence

<220>

<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 21
Ser Ile Thr Gln His Leu Gln Leu Lys Pro Leu Ala
                5   10

<210> 22
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<222> 9
<223> peptide specific to Langerhans dendritic cells;
      Xaa = unknown at position 9

<400> 22
Val Ser His Pro Leu Trp His Pro Xaa Arg Ile Leu
                5   10

<210> 23
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 23
Val Ser Ser Pro Pro Arg Val Ser Gly Ile Gly Leu
                5   10

<210> 24
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 24
His Pro Pro Glu Ile Tyr Ser Pro Pro Arg Tyr Pro
                5   10

<210> 25
<211> 12
<212> PRT
<213> artificial sequence

<220>
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<400> 25
His Ser Leu Arg Leu Asp Phe Met Ala Pro Leu Thr
                5   10

<210> 26
<211> 12
<212> PRT
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<220>
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<223> peptide specific to Langerhans dendritic cells

<400> 26
Leu Pro Pro Gly Ala Asp Leu Tyr Phe His Pro Ser
                5   10

<210> 27
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 27
Ile Pro Pro Leu Arg Ile Thr Glu Val Thr Pro Thr
                5   10

<210> 28
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 28
Ile Arg His Thr Thr Ser Gly Pro Pro Pro Ser Ser
                5   10

<210> 29
<211> 12
<212> PRT
<213> artificial sequence

<220>
<221> PEPTIDE
<223> peptide specific to Langerhans dendritic cells

<400> 29
Val Ser Ser Pro Pro Arg Val Ser Gly Ile Gly Leu
                5   10

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<210>  30
<211>  12
<212>  PRT

<220>
<221>  PEPTIDE
<222>  10

<223>  peptide specific to Langerhans dendritic cells;
       Xaa = unknown at position 10

<400>  30
Lys Ile Met Gln Ser Pro Leu Gln His Xaa Ala Pro
                5                   10


<210>  31
<211>  12
<212>  PRT
<213>  artificial sequence

<220>
<221>  PEPTIDE
<222>  4
<223>  peptide specific to Langerhans dendritic cells;
       Xaa = unknown at position 4

<400>  31
Lys Val Trp Xaa Ile Asp Trp Pro Pro Pro Ala Tyr
                5                   10


<210>  32
<211>  12
<212>  PRT
<213>  artificial sequence

<220>
<221>  PEPTIDE
<222>  10
<223>  peptide specific to Langerhans dendritic cells;
       Xaa = unknown at position 10

<400>  32
Ala Asp Arg Ser Arg Glu Leu Ala Leu Xaa Ile Phe
                5                   10


<210>  33
<211>  12
<212>  PRT
<213>  artificial sequence

<220>
<221>  PEPTIDE
<223>  peptide specific to Langerhans dendritic cells

<400>  33
Ile Ile Pro Ser Thr Ala Asn Lys Ser Ile Ala Thr
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<210>   34
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to Langerhans dendritic cells

<400>   34
Ser Asn Leu Ser Arg Thr Thr Leu Tyr Ser Gln Val
                    5   10

<210>   35
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to Langerhans dendritic cells

<400>   35
His Ser Leu Arg Ser Asp Trp Val Ser Pro Asn Thr
                    5   10

<210>   36
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to Langerhans dendritic cells

<400>   36
Ser Ser Thr Ile Asn Tyr Asn Arg Leu Asn Leu His
                    5   10

<210>   37
<211>   12
<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide specific to Langerhans dendritic cells

<400>   37
Ser Leu His Arg Ser Ser Ser Leu Pro Ile Ser Thr
                    5   10

<210>   38
<211>   12

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<212>   PRT
<213>   artificial sequence

<220>
<221>   PEPTIDE
<223>   peptide used as negative control

<400>   38
Glu Pro Ile His Pro Glu Thr Thr Phe Thr Asn Asn
                5                       10

<210>   39
<211>   95
<212>   DNA
<213>   artificial sequence

<220>
<223>   forward primer to fusion protein of DC-
        binding peptide 3 and immunodominant domains
        of HER2/Neu

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catgccatgg agaagatctt tgggagcctg gcatttctgc cggagagctt   50
tgatggggac cctcgaggcg gaggtcgtag actgctgcag gaaac         95

<210>   40
<211>   80
<212>   DNA
<213>   artificial sequence

<220>
<223>   reverse primer to fusion protein of DC-
        binding peptide 3 and immunodominant
        domains of HER2/Neu

<400>   40
gccggtacct gggggtccct ggccatgcgg gagaattcag acaccaactc   50
tccgccaccg ctaggtgtca gcggctccac                          80
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